

What is claimed is:

1. A thrust member of a motor including a motor body which is shaped substantially cylindrical, and a rotary shaft which has a front end portion thereof sticking out from a front end face of the motor body, has a rear end face thereof exposed at a rear end face of the motor body, and which rotates with
5 respect to the motor body, the thrust member comprising:

a plurality of arm segments attached to predetermined areas on an outer surface of the motor body;

a hump segment to touch the rear end face of the rotary shaft when the thrust member is mounted on the motor with the arm segments being attached
10 to the predetermined areas on the outer surface of the motor body; and

a plurality of shoulder segments to bridge the arm segments and the hump segment and to urge the hump segment toward the rotary shaft.

2. The thrust member according to Claim 1, wherein the rotary shaft has a worm gear attached to the front end portion thereof.

3. The thrust member according to Claim 1, wherein the arm segments are attached to the front end face of the motor body.

4. The thrust member according to Claim 1, wherein the arm segments are detachably attached to the predetermined areas of the motor body.

5. The thrust member according to Claim 1, wherein the arm segments are fixedly attached to the predetermined areas of the motor body.

6. A motor, comprising:

a rotary shaft; and

a motor body which is shaped substantially cylindrical, includes a rotor that is fixedly attached to a predetermined area of the rotary shaft, and a stator that
5 is shaped hollow-cylindrical, and that houses the rotor and acts on the rotor in a non-contact manner so as to cause the rotor to rotate around the rotary shaft as an axis, wherein the rotary shaft has a front end portion thereof sticking out

from a front end face of the motor body, and has a rear end face thereof exposed at a rear end face of the motor body, the motor body having, at an outer surface thereof, a thrust member receiving mechanism, to which a thrust member is
10 attached that includes a hump segment to touch the rear end face of the rotary shaft, and that urges the hump segment toward the rotary shaft.

7. The motor according to Claim 6, wherein the thrust member is detachably attached.

8. The motor according to Claim 6, wherein the thrust member is fixedly attached.

9. The motor according to Claim 6, wherein the thrust member receiving mechanism is provided at the front end face of the motor body.

10. The motor according to Claim 9, wherein the thrust member receiving mechanism is constituted by cutouts formed at the front end face of the motor body.

11. The motor according to Claim 6, wherein the motor body has, at the outer surface thereof, an embossed guiding mechanism, to which portions of the thrust member are fitted.

12. The motor according to Claim 6, wherein the motor body has, at the outer surface thereof, a recessed guiding mechanism, to which portions of the thrust member are fitted.

13. The motor according to Claim 6, wherein the rotary shaft has a worm gear attached to the front end portion thereof.

14. A motor, comprising:

a rotary shaft;

a motor body which is shaped substantially cylindrical, and which includes a rotor that is fixedly attached to a predetermined area of the rotary shaft, and a
5 stator that is shaped hollow-cylindrical, and that houses the rotor and acts on the rotor in a non-contact manner so as to cause the rotor to rotate around the

rotary shaft as an axis, wherein the rotary shaft has a front end portion thereof sticking out from a front end face of the motor body, and has a rear end face thereof exposed at a rear end face of the motor body; and

- 10 a thrust member which includes a plurality of arm segments attached to predetermined areas of an outer surface of the motor body, a hump segment to touch the rear end face of the rotary shaft, and a plurality of shoulder segments to bridge the arm segments and the hump segment and to urge the hump segment toward the rotor.

15. The motor according to Claim 14, wherein the rotary shaft has a worm gear attached to the front end portion thereof.